

Water Conservation

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WATER EFFICIENCY

| Water Efficiency 10 Possible Points | | | | |
|-------------------------------------|--|-----|--------|---|
| Prereq 1 | Water Use Reduction, 20% Reduction (MOU, Sec III) | YES | Prereq | |
| Credit 1 | Water Efficient Landscaping Reduce by 50% (MOU, Sec III) | YES | 2 | 2 |
| Credit 1.2 | Water Efficient Landscaping, No Potable Use or No Irrigation | | 2 | |
| Credit 2 | Innovative Wastewater Technologies | | 2 | |
| Credit 3 | Water Use Reduction (use only one) | | | |
| | 30 % Reduction | | 2 | |
| | 35 % Reduction | | 3 | |
| | 40 % Reduction | | 4 | |
| Category Point Total | | | 10 | 2 |

Page 1

| Energy and Atmosphere 35 Possible Points | | | | |
|--|---|-----|--------|--|
| | Achieve "Designed to Earn the Energy Star" rating (MOU, Sec II) | YES | Prereq | |
| | Solar Hot Water Heater System - min 30% demand (EISA 2007, Sec 523) | YES | Prereq | |
| | Install Advanced Metering (MOU Sec II, EPA 2005 Sec 103, EISA 2007 Sec 434) | YES | Prereq | |
| | Reduction in Fossil Fuel Generated Energy Consumption (EISA 2007, Sec 433) | YES | Prereq | |
| | Data Center Energy Consumption (EISA 2007, Sec 453) | YES | Prereq | |

Energy Conservation

Page 1

| Energy and Atmosphere 35 Possible Points | | | | |
|--|--|-----------|----|--------|
| | Achieve "Designed to Earn the Energy Star" rating (MOU, Sec II) | YES | | Prereq |
| | Solar Hot Water Heater System - min 30% demand (EISA 2007, Sec 523) | YES | | Prereq |
| | Install Advanced Metering (MOU Sec II, EAct 2005 Sec 103, EISA 2007 Sec 434) | YES | | Prereq |
| | Reduction in Fossil Fuel Generated Energy Consumption (EISA 2007, Sec 433) | YES | | Prereq |
| | Data Center Energy Consumption (EISA 2007, Sec 453) | YES | | Prereq |
| | Reduce Energy Consumption Levels by at least 30% (MOU Sec II/EAct 2005) | YES | | Prereq |
| Prereq 1 | Fundamental Commissioning of Building Energy Systems (MOU Sec I) | YES | | Prereq |
| Prereq 2 | Minimum Energy Performance (MOU Sec II) | YES | | Prereq |
| Prereq 3 | Fundamental Refrigerant Management (MOU Sec V) | YES | | Prereq |
| Credit 1 | Optimize Energy Performance 1-19 | | | |
| | 12% New Buildings or 8% Existing Building Renovations | | | |
| | 14% New Buildings or 10% Existing Building Renovations | | | |
| | 16% New Buildings or 12% Existing Building Renovations | | | |
| | 18% New Buildings or 14% Existing Building Renovations | | | |
| | 20% New Buildings or 16% Existing Building Renovations | | | |
| | 22% New Buildings or 18% Existing Building Renovations | | | |
| | 24% New Buildings or 20% Existing Building Renovations | | | |
| | 26% New Buildings or 22% Existing Building Renovations | | | |
| | 28% New Buildings or 24% Existing Building Renovations | | | |
| | 30% New Buildings or 26% Existing Building Renovations (MOU) | YES (min) | 10 | |
| | 32% New Buildings or 28% Existing Building Renovations | | 11 | |
| | 34% New Buildings or 30% Existing Building Renovations | | 12 | |
| | 36% New Buildings or 32% Existing Building Renovations | | 13 | |
| | 38% New Buildings or 34% Existing Building Renovations | | 14 | |
| | 40% New Buildings or 36% Existing Building Renovations | | 15 | |

Recycled Content Products & Construction Debris Recycling

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MATERIALS & RESOURCES

| Materials and Resources 14 Possible Points | | | | |
|--|--|-----|-----------|----------|
| | Preferential use of EPA designated Recovered Material Products (MOU Sec V) | YES | Prereq | |
| | Preferential use of USDA designated Biobased Products (MOU Sec V) | YES | Prereq | |
| | Environmentally Preferable Products (MOU Sec V) | YES | Prereq | |
| Prereq 1 | Storage and Collection of Recyclables | YES | Prereq | |
| Credit 1.1 | Building Reuse—Maintain 55% of Existing Walls, Floors and Roof | | 1 | |
| Credit 1.2 | Building Reuse—Maintain 75% of Existing Walls, Floors and Roof | | 2 | |
| Credit 1.3 | Building Reuse—Maintain 95% of Existing Walls, Floors and Roof | | 3 | |
| Credit 1.4 | Building Reuse—Maintain 55% of Interior Non-structural elements | | 1 | |
| Credit 2.1 | Construction Waste Management, Divert 50% from Disposal (MOU Sec V) | YES | 1 | 1 |
| Credit 2.2 | Construction Waste Management, Divert 75% from Disposal | | 1 | |
| Credit 3.1 | Materials Reuse 5% | | 1 | |
| Credit 3.2 | Materials Reuse 10% | | 1 | |
| Credit 4.1 | Recycled Content, 10% (post-consumer + 1/2 pre-consumer) (MOU, Sec V) | YES | 1 | 1 |
| Credit 4.2 | Recycled Content, 20% (post-consumer + 1/2 pre-consumer) | | 1 | |
| Credit 5 | Regional Materials, 10% extracted, processed & manufactured regionally | | 1 | |
| Credit 5 | Regional Materials, 20% extracted, processed & manufactured regionally | | 1 | |
| Credit 6 | Rapidly Renewable Materials (MOU Sec V) | YES | 1 | 1 |
| Credit 7 | Certified Wood (MOU Sec V) | YES | 1 | 1 |
| Category Point Total | | | 14 | 4 |

EO 13514 – Construction Debris Goals

Section 2. Goals for Agencies. In implementing the policy set forth in section 1 of this order, and preparing and implementing the Strategic Sustainability Performance Plan called for in section 8 of this order, the head of each agency shall:

- (e) promote pollution prevention and eliminate waste by:
 - (ii) diverting at least 50% of non-hazardous solid waste, excluding construction and demolition debris, by the end of FY 2015;
 - (iii) diverting at least 50% of construction and demolition materials and debris by the end of FY 2015;







Why Buy Green? – Electronic Products

E.O. 13423, *Strengthening Federal Environmental, Energy, and Transportation Management*,
1/24/07

“The head of each agency shall ensure that the agency, when acquiring an electronic product to meet its requirements, meets at least 95% of those requirements with an Electronic Product Environmental Assessment Tool (EPEAT)-registered product, unless there is no EPEAT standard for such product.....”

Greening Purchasing Scope

- Recycled content products
- Biobased products
- Energy- and water-efficient products
 - Standby power devices
 - Energy Star
 - FEMP-designated products
 - WaterSense
- Low or non-toxic or hazardous chemicals
- Alternative fuel vehicles/alternative fuels
- Environmentally preferable products
- Non-ozone depleting substances

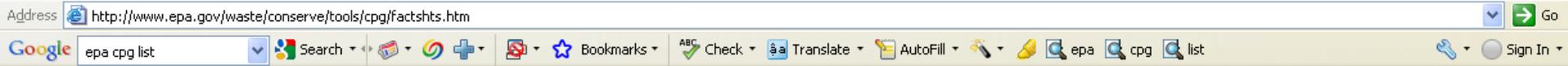
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EPA's Recycled Content Product Categories

- Construction
- Landscaping
- Non-Paper Office Products
- Paper and Paper Products
- Parks and Recreation
- Transportation
- Vehicles
- Miscellaneous

Comprehensive Procurement Guidelines (CPG) = Recycled Content



U.S. ENVIRONMENTAL PROTECTION AGENCY



Wastes - Resource Conservation - Comprehensive Procurement Guidelines

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You are here: EPA Home » Wastes » Resource Conservation » Conservation Tools » Comprehensive Procurement Guidelines » Products » Product Resource Guides

Products Product Resource Guides Suggest a Product

Product Resource Guides

EPA's Comprehensive Procurement Guideline (CPG) program helps agencies "close the loop" by buying recycled products. EPA published a series of product resource guides summarizing information on the CPG program; EPA's recovered materials content recommendations; case studies from around the country; and key resources, associations, and Web sites.

There are 8 product resource guides in all, one for each CPG product category.

- [2007 Buy-Recycled Series: Construction Products \(PDF\)](#) (9 pp, 360K)
- [2007 Buy-Recycled Series: Landscaping Products \(PDF\)](#) (7 pp, 404K)
- [2007 Buy-Recycled Series: Nonpaper Office Products \(PDF\)](#) (6 pp, 316K)
- [2007 Buy-Recycled Series: Paper Products \(PDF\)](#) (8 pp, 343K)
- [2007 Buy-Recycled Series: Park and Recreation Products \(PDF\)](#) (6 pp, 342K)
- [2007 Buy-Recycled Series: Transportation Products \(PDF\)](#) (8 pp, 335K)
- [2007 Buy-Recycled Series: Vehicular Products \(PDF\)](#) (8 pp, 455K)
- [2007 Buy-Recycled Series: Miscellaneous Products \(PDF\)](#) (7 pp, 409K)

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more.

- Wastes Home
- Resource Conservation Home
- Conservation Tools Home
- CPG Home
- About CPG/RMAN
- Background
- Products
- Product Supplier Directory
- Resource Conservation Challenge
- Information Resources
- Laws & Regulations
- Educational Materials
- Partnerships

What To Buy Green?

- Office products
 - paper
 - non paper
- Printing services
- Signs
- Building construction, renovation, and maintenance (janitorial, landscaping) products
- Awards and plaques
- Parks and recreation products

2007

CPG

COMPREHENSIVE
PROCUREMENT
GUIDELINES

Buy-Recycled Series

PAPER PRODUCTS

PAPER



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste
- ...reduces air and water pollutants

Twenty years ago, very little recycled-content printing and writing paper existed. Now, it is readily available, along with recycled-content newsprint, paper towels, and corrugated packaging—and at higher quality and more

competitive prices than ever before. That is in part due to government initiatives since 1988, when the U.S. Environmental Protection Agency (EPA) issued the Procurement Guideline for Paper and Paper Products Containing Recovered Materials. The 1988 paper guideline's buy-recycled requirements are now part of EPA's Comprehensive Procurement Guidelines (CPG).

To make it easier to buy recycled, the EPA periodically updates the CPG. Through the CPG, EPA designates items that

that the items designated in the CPG are of high quality, widely available, and cost-competitive with virgin products. EPA also issues nonregulatory companion guidance—the Recovered Materials Advisory Notice (RMAN)—that recommends levels of recycled content for these items.

Why Buy Recycled?

Recycling is more than just dropping off your cans, bottles, and newspapers at the curb or at a local collection facility. Diverting recyclables from the waste stream is only the first of three steps in the recycling process. The second step occurs when companies use these recyclables to manufacture new products. The third step comes when you purchase products made from recovered materials.

Buying recycled products results in many environmental benefits. It supports local recycling programs by creating markets for the collected mate-

EPA's Recommended Content Levels for Paper Products

| ITEM | NOTES | POSTCONSUMER RECOVERED FIBER | TOTAL RECOVERED FIBER |
|------------------------------------|--|------------------------------|-----------------------|
| Printing and Writing Papers | | | |
| Reprographic | Business papers such as bond, electrostatic, copy, mimeo, duplicator, and reproduction | 30% | 30% |
| Offset | Used for book publishing, commercial printing direct mail, technical documents, and manuals | 30% | 30% |
| Tablet | Office paper such as note pads and notebooks | 30% | 30% |
| Forms Bond | Bond type papers used for business forms such as continuous, cash register, sales book, unit sets, and computer printout, excluding carbonless | 30% | 30% |
| Envelope | Wove Kraft, white, and colored (including manilla) Kraft, unbleached Excludes custom envelopes | 30% 10-20% 10% | 30% 10-20% 10% |
| Cotton Fiber | High-quality papers used for stationary, invitations, currency, ledgers, maps, and other specialty items | 30% | 30% |
| Text and Cover | Premium papers used for cover stock, books and stationary and matching envelopes | 30% | 30% |
| Supercalendered | Groundwood paper used for advertising and mail order inserts, catalogs, and some magazines | 10% | 10% |

date:

destroy date:

misc:

This box is made from 52% PCW

**Office
DEPOT.**

1-800-GO-DEPOT
(1-800-463-3768)

www.officedepot.com



brighter!
was 86
NOW 104
brightness

PREMIUM
EnviroCopy™
recycled copy paper

Ideal for everyday copying needs

Office Depot, Inc.
2200 Old Germantown Road
Delray Beach, FL 33445, USA
©2005, Office Depot, Inc.
Made in USA / Fabriqué en USA

10 Reams

Letter Size

8.5 in. x 11 in.

216 mm x 279 mm, 75 g/m²

20
pound

104
bright

35%
post-consumer
content

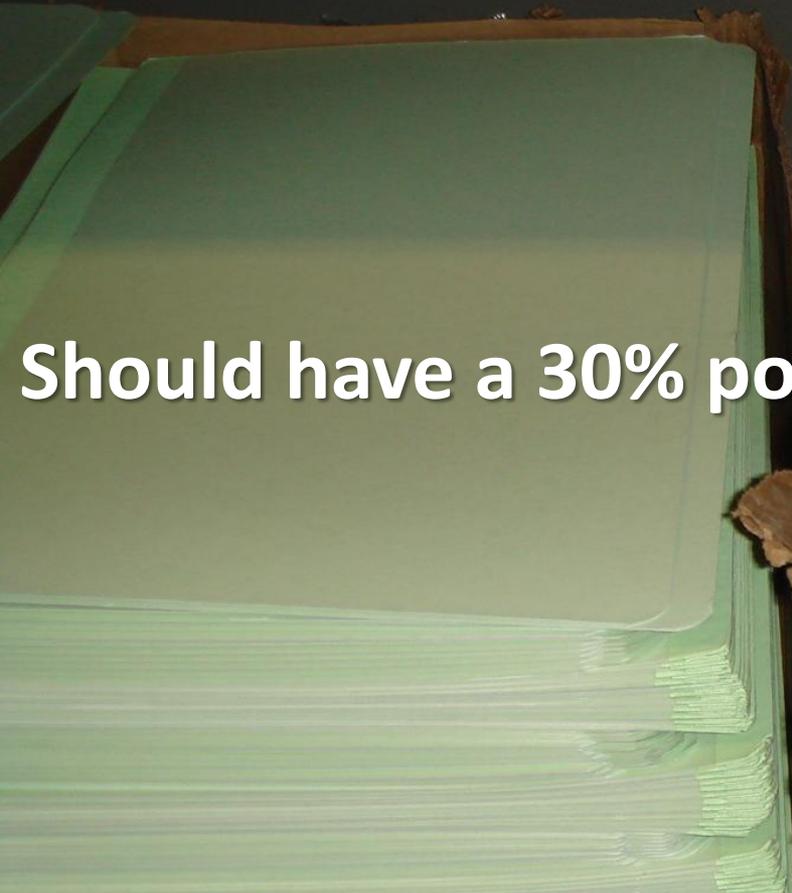


500
sheets
per ream



Item# 940-650

Should have a 30% post consumer recycled content



Office DEPOT
Premium EnviroCopy™ recycled copy paper
20% recycled
86% recycled
35% recycled
500 sheets

IMPACT ENVELOPES

copy paper
92 sheets
20 lb
8 1/2" x 11"

25 Hanging Folders
No. C25H-Y
UPC No. 64169
Legal size
2 inch vinyl tabs with inserts
YELLOW
SMEAD
1/5 Cut Tabs

1/5
JWED
L. C. INDUSTRIES, INC.
GREEN
Hanging File Folders

copy paper
92 sheets
20 lb
8 1/2" x 11"

25 Hanging Folders
No. C25H-Y
UPC No. 64169
Legal size
2 inch vinyl tabs with inserts
YELLOW
SMEAD
1/5 Cut Tabs

25 Hanging Folders
No. C25H-R
UPC No. 64167
Legal size
2 inch vinyl tabs with inserts
RED
SMEAD
1/5 Cut Tabs

25 Hanging Folders
No. C25M-P
UPC No. 64172
Legal size
2 inch vinyl tabs with inserts
PURPLE
SMEAD
1/5 Cut Tabs

Legal Size Hanging File Folders
SKILCRAFT
Hanging File Folders
Legal Size Hanging File Folders
SKILCRAFT

Smead
UPC 64060
No. C15H-BE
HASTINGS, MN



Should have a 20% post consumer recycled content

/// SMEAD

25 Hanging Folders

Legal Size - Yellow



1/5 Cut Tabs

Legal Size

Hanging File Folders



Contains a Minimum of 30% Post Consumer Content.



Contains a Minimum of 30% Post Consumer Content.



MINIMUM 10% POST-CONSUMER RECYCLED CONTENT

• Made in USA by Craftsmen Who Are Blind

• Contains 25 Hanging File Folders With Tabs And Inserts (Except 7350-01-364-9487)



SKILCRAFT

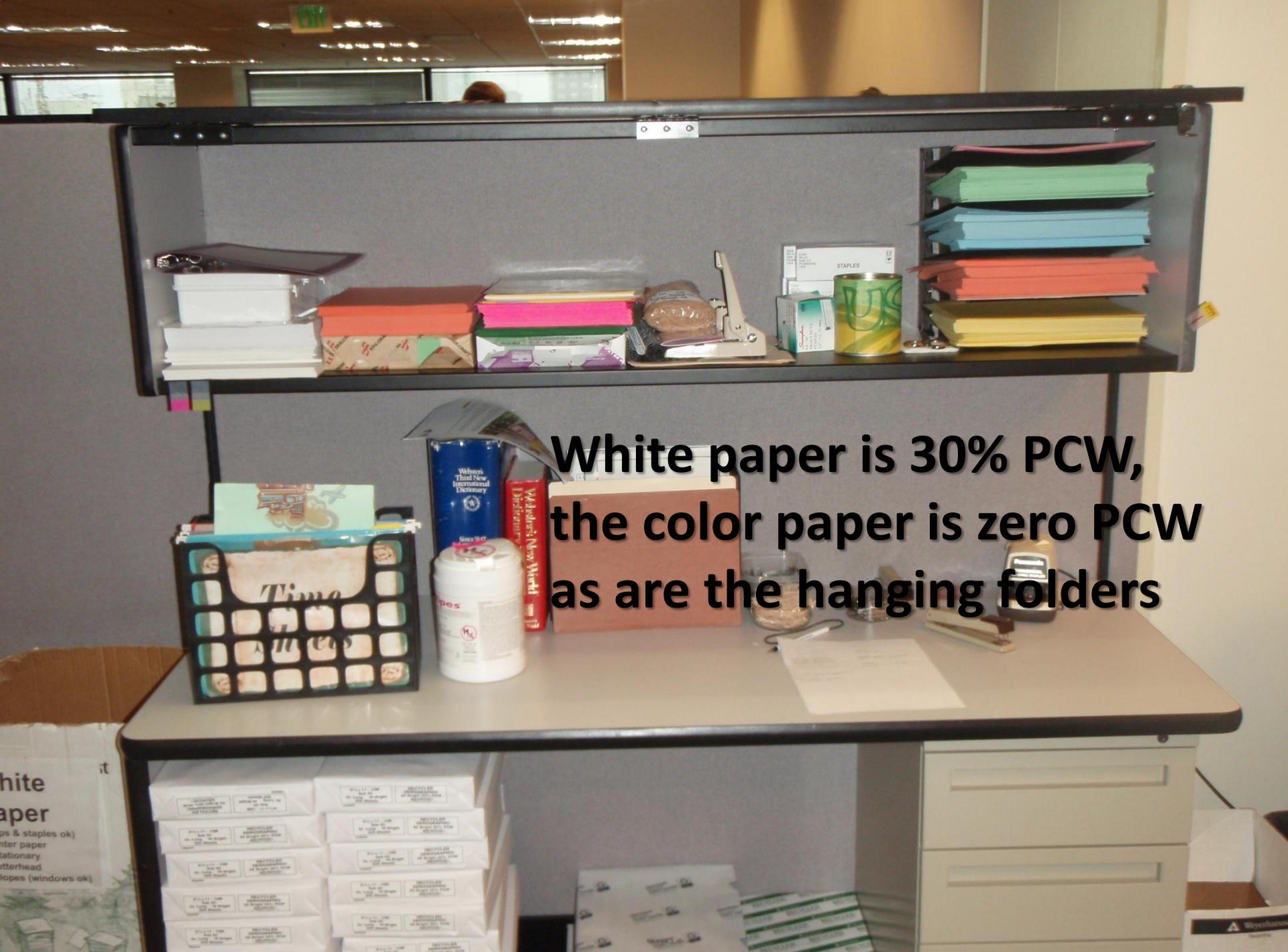
No. C25H-Y
UPC No. 64169

MINIMUM 10% POST-CONSUMER RECYCLED CONTENT



**White paper is 30% PCW,
the color paper is zero PCW
as are the hanging folders**

White paper
Staples & staples ok
Printer paper
Stationery
Letterhead
Copies (windows ok)



2007 CPG

COMPREHENSIVE
PROCUREMENT
GUIDELINES

Buy-Recycled Series

NONPAPER OFFICE PRODUCTS

The soda bottle you recycled after lunch might end up back on your desk as a recycled binder or pencil holder. Used toner cartridges and printer ribbons once considered “trash” are now remanufactured and returned, providing your office with high-performance products at considerable savings.

To make it easier to buy recycled, the U.S. Environmental Protection Agency (EPA) periodically updates the Comprehensive Procurement Guidelines (CPG). Through the CPG, EPA designates items that must contain recycled materials when purchased with appropriated federal funds by federal, state, and local agencies, or by government contractors. Several nonpaper office products are among these items. EPA's re-

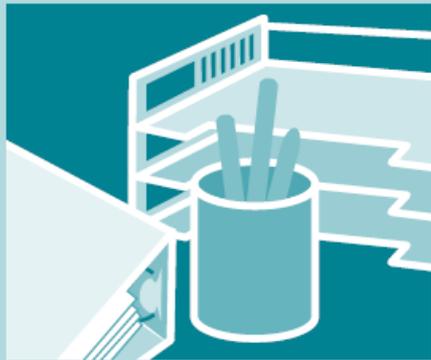
Advisory Notice (RMAN)—that recommends levels of recycled content for those items.

Why Buy Recycled?

Recycling is more than just dropping off your cans, bottles, and newspapers at the curb or at a local collection facility. Diverting recyclables from the waste stream is only the first of three steps in the recycling process. The second step occurs when companies use these recyclables to manufacture new products. The third step comes when you purchase products made from recovered materials.

Buying recycled products results in many environmental benefits. It supports local recycling programs by creating markets for the collected materials that are processed and used to manufacture new products. This creates jobs and helps strengthen the economy; conserves natural resources; saves energy; and reduces solid waste,

NONPAPER OFFICE



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste
- ...reduces air and water pollutants

| NONPAPER OFFICE PRODUCT | MATERIAL RECOVERED | POST-CONSUMER RECOVERED CONTENT | TOTAL RECOVERED CONTENT |
|---|---|---------------------------------|-------------------------|
| Trash Bags ¹ | Plastic | 10–100% | — |
| Toner Cartridges ^{1,3} | See Endnote 3 | See Endnote 3 | See Endnote 3 |
| Printer Ribbons ^{1,4} | See Endnote 4 | See Endnote 4 | See Endnote 4 |
| Plastic Envelopes ¹ | Plastic | 25% | 25–30% |
| Plastic Clipboards ¹ | HDPE | 90% | 90% |
| | PS | 50% | 50% |
| | Miscellaneous Plastic | 15% | 15–80% |
| Plastic File Folders ¹ | HDPE | 90% | 90% |
| Plastic Clip Portfolios | HDPE | 90% | 90% |
| Plastic Presentation Folders ¹ | HDPE | 90% | 90% |
| Office Furniture | Furniture Structure – Steel ² – Aluminum | 16% — | 25–30% 75–100% |
| | Particleboard/Fiberboard Component ⁵ – Wood or Wood Composite – Agricultural Fiber | Greater than 0% — | 80–100% 100% |
| | Fabric – PET | 100% | 100% |
| | Plastic Furniture Component – HDPE | 70–75% | 95% |
| | Remanufactured or Refurbished Furniture – Various | 25–75% | 25–75% |
| | | | |

PROPANE
PROPANO
UN 1978
NE ESTÁ ETIQUETA

How to Read Fuel Labels
Cómo leer las etiquetas de los combustibles

Re•Claim 100

Made of 100% Recycled Plastic (10% post-consumer content)
Fabriqués à partir de matières plastiques recyclées contenant au moins
10% de produits provenant de rebuts de consommation
Fabricadas de 100% plástico reciclado con un contenido de al
menos 10% de residuos posconsumo



100 41215 25005 4



PRODUCT IS RECYCLED AND RECYCLABLE
PRODUIT RECYCLÉ ET RECYCLABLE
PRODUCTO REICLADO Y REICLABLE

RNW 4850

40-45 Gal. (151.4-170.3L)
40" x 46" (101.6cm x 116.8cm)
1.35 mil (34.3µm)
Black / Noir / Negro

100 Bags / 100 Sacs Poubelle / 100 Bolsas de basura
Net Wt: 16.89 lbs / Poids net / Peso neto: 7.66 kg.

Manufactured by: Webster Industries, Division of Chelsea Industries, Inc., Peabody, MA 01960

RN
40-
C
10
100
Blac

contiene d'impression

designed together

cartucho de impresión

10A
HP LaserJet series / série / serie
Q2610A

contiene d'impression

designed together

cartucho de impresión

10A
HP LaserJet series / série / serie
Q2610A

C9727A

HP LaserJet 4600

hp
invent

HP LaserJet
Print Cartridge
Cartouche d'impression
Cartucho de impresión

74A

High performance printing
Impression haute performance
Impresión de alta rendimiento

HP LaserJet series / série / serie
4L - 4ML - 4P - 4MP
92274A

The science behind brilliant printing.
La science au service d'impressions remarquables.
La ciencia detrás de una impresión sobresaliente.

C9723A

HP LaserJet series / série / serie
4600 - 4650

96A
HP LaserJet series / série / serie
Q2610A

C9721A

hp
invent

HP Color LaserJet
Print Cartridge
Cartouche d'impression
Cartucho de impresión

C9721A | Cyan
Cyan
Cyan

HP LaserJet series / série / serie
4600 - 4650

The science behind brilliant printing.
La science au service d'impressions remarquables.
La ciencia detrás de una impresión sobresaliente.

C9722A

HP LaserJet series / série / serie
4600 - 4650

96A
HP LaserJet series / série / serie
Q2610A

designed together

96A
HP LaserJet series / série / serie
Q2610A



Thank you
for using the
remanufactured toner
cartridge in this printer.
Not Remanufactured
by HP.
©Copyright 2003

Thank you
for using the
remanufactured toner
cartridge in this printer.
Not Remanufactured
by HP.
©Copyright 2003



CAUTION
• DO NOT OPEN DOOR.
• DO NOT TOUCH DRUM.

ATTENTION
• NE PAS OUVRIE LE VOILEY.
• NE PAS TOUCHER LE TAMBOUR.

VORSICHT
• DIE ABDECKUNG NICHT ÖFFNEN.
• DEN TROMMEL NICHT BERÜHREN.

DOI LARGE WORKGROUP COLOR LASER PRINTER

For printing of multiple-copy reports, mailings, publications; medium to larger office workgroup

System Unit:

1. Printer as built shall be certified with the Microsoft Windows 2003/XP Hardware Compatibility List.
2. Package shall include cables and parts required to attach for normal operation.
3. The printer shall be capable of normal operations in ambient temperatures from 65 to 90 degree F.
4. The printer shall be capable of normal operations in environments with a non-condensing relative humidity of 20% to 80%.
5. The printer shall be capable of normal operations at altitudes from sea level to 7,000 feet
6. The printer hardware shall meet the requirements for United States EPA Energy Star compliance, or shall appear on the United States EPA Energy Star Compliant Product Listing 
7. The printer shall be capable of printing a minimum of 15 PPM.
8. Printer shall handle letter, Legal and tabloid size paper as a minimum using multiple bins (one for each paper size).
9. Cost per page shall be used as a QRF and will be based upon cNet, Consumer Reports, PC Magazine or similar independent evaluation. (8000 pages per cartridge minimum)
10. Printer shall be four color minimum
11. Printer shall have a minimum in/out bins capacity in sheets (20#) of 250 in letter, 250 in Legal and tabloid/ 250 out.
12. Printer shall provide a minimum resolution of 1200 DPI.
13. Duty cycle = 60,000 total pages per month.
14. Interface –Printer shall have 10/100 MB Ethernet interface.
15. Printer will utilize SNMP V2 or above.
16. Printer shall incorporate remote printer management and as a minimum provide SMS and MOM integration and alarms for Paper low and out and toner low and out.
17. Printer shall have a minimum of 64 MB RAM with option for 256 MB RAM.
18. Printer shall be able to use re-manufactured toner/ink cartridges. This requirement shall not void the warranty. 
19. Printer will be capable of duplex operation.



Standards

Standardized Test Methods Committee (STMC)



- ▶ Certifies reman vendors
- ▶ Approved quality control measures

EcoLogo - CCD-039



- ▶ Certifies reman products
- ▶ Reman process, quality, and end-of-life

2007

CPG

COMPREHENSIVE
PROCUREMENT
GUIDELINES

Buy-Recycled Series

PARK & RECREATION PRODUCTS

Want to go the extra mile for your community? Buying recycled-content playground equipment and other recreational products is cost-effective, easy to do, and a good way to keep our outdoors green. You also can provide long-lasting protection for sand dunes at your community's beaches using plastic fencing made from recovered plastics.

To make it easier to buy recycled, the U.S. Environmental Protection Agency (EPA) periodically updates the Comprehensive Procurement Guidelines (CPG). Through the CPG, EPA designates items that must contain recycled materials when purchased with appropriated federal funds by federal, state, and local agencies, or by government contractors. Several park and recreation products

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Buying recycled products results in many environmental benefits. It supports local recycling programs by creating markets for the collected materials that are processed and used to manufacture new products. This creates jobs and helps strengthen the economy; con-

PARK & RECREATION



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste
- ...reduces air and water pollutants



EPA's Recommended Content Levels for Park & Recreation Products

| PARK & RECREATION PRODUCT ¹ | MATERIAL | POST-CONSUMER RECOVERED CONTENT ² | TOTAL RECOVERED CONTENT ² |
|---|----------------------|--|--------------------------------------|
| Park Benches and Picnic Tables | Plastic ³ | 90–100% | 100% |
| | Plastic Composites | 50–100% | 100% |
| | Aluminum | 25% | — |
| | Concrete | — | 15–40% |
| | Steel ⁴ | 16% 67% | 25–30% 100% |
| Plastic Fencing for Specified Uses⁵ | Plastic | 60–100% | 90–100% |
| Playground Equipment | Plastic ³ | 90–100% | 100% |
| | Plastic Composites | 50–75% | 95–100% |
| | Steel ⁴ | 16% 67% | 25–30% 100% |



EPA's Recommended Content Levels for Park & Recreation Products

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| | Aluminum | 25% | — |
| | Concrete | — | 15-40% |
| | Steel ⁴ | 16% 67% | 25-30% 100% |



2007

CPG

COMPREHENSIVE PROCUREMENT GUIDELINES

Buy-Recycled Series

CONSTRUCTION PRODUCTS

Construction project managers across America are learning that recycled-content construction products are cost-effective, reliable, easy to obtain, and environmentally friendly. Whether you are erecting a new building or construct-

ing a new highway, high-quality recycled-content products can help you get your project off to a great start!

To make it easier to buy recycled, the U.S. Environmental Protection Agency (EPA) periodically updates the Comprehensive Procurement Guidelines (CPG). Through the CPG, EPA designates items that must contain recycled materials when purchased with appropriated federal funds by federal, state, and local agencies, or by government contractors. Several construction products are among these items. EPA's

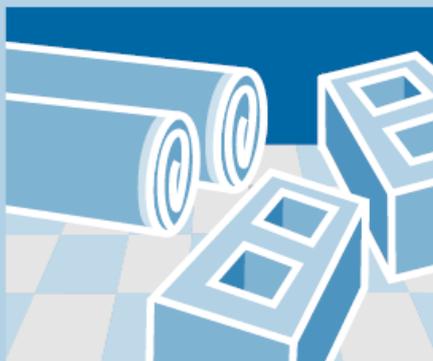
nonregulatory companion guidance—the Recovered Materials Advisory Notice (RMAN)—that recommends levels of recycled content for these items.

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Buying recycled products results in many environmental benefits. It supports local recycling programs by creating markets for the collected materials that are processed and used to manufacture new products. This creates jobs and helps strengthen the economy; conserves natural resources; saves energy; and reduces solid waste,

CONSTRUCTION



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste
- ...reduces air and water pollutants
- ...reduces greenhouse gases

| CONSTRUCTION PRODUCT | MATERIAL RECOVERED | POST-CONSUMER RECOVERED CONTENT | TOTAL RECOVERED CONTENT |
|---|--|---------------------------------|---|
| Cement and Concrete ² | Coal Fly Ash GGBF Slag Cenospheres | See Endnote 2 See Endnote 2 | See Endnote 2 See Endnote 2 |
| | Silica Fume | | Minimum of 10% (by volume) 5–10% of cementitious material (dry weight basis) |
| Polyester Carpet Face Fiber ^{1,3} | Polyethylene Terephthalate Resin | 25–100% | 25–100% |
| Patio Blocks ¹ | Rubber or Rubber Blends | 90–100% | — |
| | Plastic or Plastic Blends | — | 90–100% |
| Floor Tiles (Heavy Duty/Commercial Use) ¹ | Rubber | 90–100% | — |
| | Plastic | — | 90–100 |
| Shower and Restroom Dividers/Partitions ¹ | Plastic | 20–100% | 20–100% |
| | Steel | 16% 67% | 25–30% 100% |
| Latex Paint: ¹ – Consolidated ⁵ – Reprocessed ⁶ – White, Off-White, Pastel Colors – Grey, Brown, Earthtones, and Other Dark Colors | Recovered Material | 100% | 100% |
| | Recovered Material | 20% | 20% |
| | Recovered Material | 50–99% | 50–99% |
| Carpet Cushion: ¹ – Bonded Polyurethane – Jute – Synthetic Fibers – Rubber | Old Carpet Cushion | 15–50% | 15–50% |
| | Burlap | 40% | 40% |
| | Carpet Fabrication Scrap | — | 100% |
| | Tire Rubber | 60–90% | 60–90% |



ER3[®]

HIGH RECYCLED CONTENT
100% RECYCLABLE

A TANDUS[®] COMPANY

ONE OR MORE OF THE FOLLOWING PATENTS MAY BE APPLICABLE:
US PATENT #4,849,297 CANADIAN PATENT #1,288,969 EUROPEAN PATENT #9240038 JAPANESE PATENT #1,864,998
GERMAN PATENT #8,816,477 FR PATENTS: US PATENT #6,728,741 US PATENT #6,816,383
ERS PROCESS PATENT: US PATENT #6,888,881 ERS PRODUCT PATENT AND OTHER PATENTS PENDING
MADE IN THE USA 100% NYLON



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MADE IN THE USA 100% NYLON

OCT 30 2006



OCT 30 2006

SECTION III – PHYSICAL DATA

Boiling Point: 212° F

LBS/GAL: 8.8

Evaporation Rate: Same as water

Vapor Density: Same as water

Vapor Pressure: Same as water

% Volatile by WT: 40% - 50%

Color: Off white

Odor: Sweet – Mild

Grams VOC per liter of material: 0

(calculated)

Grams VOC per liter of coating: 0 (calculated)

 **Tandus**
Adhesive Systems

C&A C-46E

PREMIUM FLOOR PRIMER
For use with all Vinyl-Backed Floor Products

- ZERO VOC'S (Calculated)
- LOW ODOR
- NO SOLVENTS OR AMMONIA
- NO HAZARDOUS SUBSTANCES

NON-FLAMMABLE
Read Carefully Complete Label & MSDS

4 GALLONS (15.14 Liters)

MATERIAL SAFETY DATA SHEET
Tandus Technologies
P.O. Box 1447, 1000 Vista Drive, Dalton, GA 30705
Emergency Telephone: Chemtrec 800.424.9300

SECTION I – PRODUCT IDENTIFICATION
Suppliers Name: Tandus Technologies
Street Address: PO Box 1447
1000 Vista Drive, Dalton, GA 30705
Emergency Telephone: 800.424.9300
Product Class: Synthetic Latex
Manufacturer's Code Identification: C-46E
Trade Name: Premium Floor Primer

SECTION II – HAZARDOUS INGREDIENTS
None per OSHA Regulation 29 CFR 1910.1200
SARA Title III Section 313
Chemicals: None

SECTION III – PHYSICAL DATA
Boiling Point: 212° F
LBS/GAL: 8.8
Evaporation Rate: Same as water
Vapor Density: Same as water
Vapor Pressure: Same as water
% Volatile by WT: 40% - 50%
Color: Off white
Odor: Sweet - Mild
Grams VOC per liter of material: 0 (calculated)
Grams VOC per liter of coating: 0 (calculated)

SECTION IV – FIRE AND EXPLOSION HAZARD DATA
DOT Category: Not regulated
Flash Point: None
LEL: 7.1%
Extinguishing Media: Non-Domestic
Unusual Fire and Explosion Hazards: None
Special Firefighting Procedures: None known

SECTION V – HEALTH HAZARD DATA
Symptoms of Overexposure:
Eye: May cause mild irritation.
Skin: None known
Inhalation: None known
Ingestion: None known





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Lander Field Office

P.O. Box 589 (1335 Main Street)

Lander, Wyoming 82520-0589



1112-1

June 15, 2007

James E. Dennison
Century Environmental Hygiene, LLC
199 South Shields Street
Fort Collins, Colorado 80521

Dear Mr. Dennison:

On April 23, 2007 your company conducted a targeted indoor air quality assessment of the Bureau of Land Management's Lander Field Office in Lander, Wyoming. The testing was conducted due to employee complaints of health issues related to new carpet being installed in our office. Mr. Paul Jaeckel of your company conducted the tests.

» [CRI Home](#) » [Commercial Customers](#) » [Green Building and The Environment](#) » [Green Label Plus](#)

Commercial Customers

Green Label / Green Label Plus

» THE BENEFITS OF CARPETS AND RUGS

» CARPET AND HEALTH

» GREEN BUILDING AND THE ENVIRONMENT

▼ [Green Label / Green Label Plus](#)

- » [Carpet and Adhesive](#)
- » [Cushion](#)

» [Green Building Standards](#)

» [ANSI Sustainability Standard](#)

» [CRI's ANSI Certification](#)

» [Recycle, Recover and Reuse](#)

» SELECTING THE RIGHT CARPET

» FACILITY-SPECIFIC CONSIDERATIONS

» SPECIFICATION INSTALLATION

» CLEANING AND MAINTENANCE

» RESOURCES

THE HIGHER STANDARD FOR INDOOR AIR QUALITY

Today, indoor air quality (IAQ) is an important environmental consideration, especially since we spend approximately 90 percent of our time indoors. In 1992, CRI launched its Green Label program to test carpet, cushions and adhesives to help specifiers identify products with very low emissions of VOCs. CRI has recently launched its next series of improvements called Green Label Plus for carpet and adhesives. This enhanced program sets an even higher standard for IAQ and ensures that customers are purchasing the very lowest emitting products on the market. Using scientifically established standards, the Green Label Plus program symbolizes the carpet industry's commitment to a better environment for living, working, learning and healing.



For more information, see the following links:

- [Carpet & Adhesives](#)
- [Cushion](#)

or CONTACTS

- Green Label and Green Label Plus ensure that customers are purchasing among the lowest emitting carpet, adhesive and cushion products on the market.
- CRI designed the Green Label and Green Label Plus programs for architects, builders, specifiers and facility managers who want assurances that carpet and adhesive products meet the most stringent criteria for low chemical emissions.
- Green Label Plus represents the fourth time the carpet industry has voluntarily enhanced the IAQ standard for its products.

FIND GREEN LABEL AND GREEN LABEL PLUS PRODUCTS

Select a GLP/GL Progr. ▼

SEARCH

DO NOT USE THIS STANDARD



OVERVIEW

Organizations around the globe are trending toward sustainable practices. Many manufacturers are developing corporate sustainability plans, retailers are requiring sustainable practices, and consumers are now looking for “green” products more than ever before.

In the carpet industry, [The Carpet and Rug Institute \(CRI\)](#) set out to provide the commercial market with a single easy-rating certification system for carpet and rugs. With the assistance of NSF International, a leader in standards development and product certification, the Sustainable Carpet Assessment Standard was created.

NSF/ANSI STANDARD 140-2007

Nearly five years in development by the Carpet and Rug Institute group, NSF 140 was designed to establish a single, easy-to-use certification system for carpet and rugs. The standard defines sustainable carpet performance requirements for public health and environment, and addresses the triple bottom line – economic-environmental-social, throughout the supply chain.

NSF 140 is the first multi-attribute American National Standard (ANSI) standard for environmentally preferable building materials in the construction industry.

The industry group developed this standard to:

- Increase the economic value of sustainable carpet throughout the supply chain.
- Provide information to help specifiers and supply chain stakeholders sort out information on sustainable attributes.
- Encourage competition between manufacturers and their suppliers to seek out or develop environmentally preferable processes, practices, power sources, and materials.

THIS IS THE NEW INDUSTRY STANDARD

2007 CPG

COMPREHENSIVE
PROCUREMENT
GUIDELINES

Buy-Recycled Series

MISCELLANEOUS PRODUCTS

More and more procurement officials are realizing that buying recycled is an easy, cost-efficient, and earth-friendly alternative. Today's products made from materials recovered for recycling offer the strength, durability, and performance equivalent to those made from virgin materials. That is why businesses and public sector buyers across the country are buying and using recycled-content products.

To make it easier to buy recycled, the U.S. Environmental Protection Agency (EPA) periodically updates the Comprehensive Procurement Guidelines (CPG). Through the CPG, EPA designates items that must contain recycled materials when pur-

CPG are of high quality, widely available, and cost-competitive with virgin products. EPA also issues nonregulatory companion guidance—the Recovered Materials Advisory Notice (RMAN)—that recommends levels of recycled content for these items.

Why Buy Recycled?

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Buying recycled products results in many environmental benefits. It supports local recycling programs by creating

MISCELLANEOUS



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste



| MISCELLANEOUS PRODUCT | MATERIAL | POSTCONSUMER RECOVERED CONTENT | TOTAL RECOVERED CONTENT |
|-----------------------|--|--------------------------------|-------------------------|
| Signage ¹ | Plastic ³ | 80-100% | — |
| | Aluminum | 25% | — |
| | Plastic Sign Posts/Supports ³ | 80-100% | — |
| | Steel Sign Posts/Supports ⁴ | 16% 67% | 25-30% 100% |



Recycled content signs

Highway Safety, Marking, and Traffic Control Products



GREENLINE™ MARKERS / DELINEATORS

Single-Curve Marker/Delineator

Double-Curve Delineator

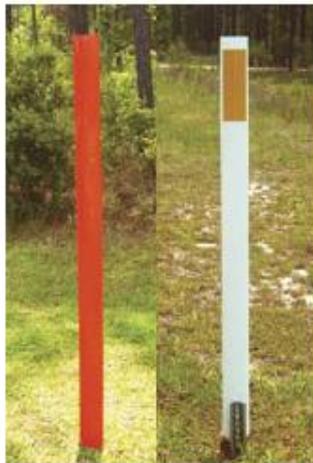
Flat, General Purpose Marker

The first family of markers and delineators made from post-consumer recycled plastic, Carsonite's GreenLine products offer high durability and impact resistance, plus multiple profile choices in a variety of brilliant colors. All GreenLine markers and delineators feature flexible, polymer construction, with UV stabilizers and colorfast pigments for years of reliable service. They've met or surpassed performance standards for certification by a long list of local, state, and national agencies.

The GreenLine Single-Curve Marker/Delineator is a highly flexible post featuring a simple, curved design that bends easily upon impact and quickly returns to its original upright position. Decals or reflective sheeting can be applied to both sides.



It easily withstands direct tire impacts and vehicle impacts at highway speeds. Installs easily in all types of soils with optional U-channel anchor. Standard post height is 48" above ground.



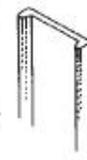
Flexible yet wind resistant, the GreenLine Double Curve Delineator provides multiple reflective angles for enhanced visibility. It easily withstands multiple tire and vehicle impacts at highway speeds.



Add reflective sheeting for nighttime visibility. Installs easily in all types of soils with optional U-channel anchor. Standard post height is 48" above ground.



Carsonite's GreenLine General Purpose Marker is a simple, flat marking post designed for economically identifying utility locations, supporting rural "9-1-1" programs, and performing many other useful functions. Standard post height is 48" above ground.



Greening Purchasing Scope

- Recycled content products
- **Biobased products**
- Energy- and water-efficient products
 - Standby power devices
 - Energy Star
 - FEMP-designated products
 - WaterSense
- Low or non-toxic or hazardous chemicals
- Alternative fuel vehicles/alternative fuels
- Environmentally preferable products
- Non-ozone depleting substances

Biobased Items Designated for Federal Procurement

| Item | Minimum Biobased Content | Item | Minimum Biobased Content |
|---|--------------------------|--|--------------------------|
| Adhesive and mastic removers | 58% | General purpose household cleaners (new designation) | 39% |
| Bathroom and spa cleaners | 74% | Glass cleaners | 49% |
| Bedding, bed linens and towels | 12% | Graffiti and grease removers | 34% |
| Carpets | 7% | Greases | |
| Carpet and upholstery cleaners | | Food grade grease | 42% |
| General Purpose cleaners | 54% | Multipurpose grease | 72% |
| Spot removers | 7% | Rail track grease | 30% |
| Chain and cable lubricants (new designation) | 77% | Truck grease | 71% |
| Composite panels | | Greases not elsewhere specified | 75% |
| Plastic lumber composite panels | 23% | Hand cleaners and sanitizers | |
| Acoustical composite panels | 37% | Hand Cleaners | 64% |
| Interior panels | 55% | Hand Sanitizers | 73% |
| Structural interior panels | 89% | Industrial cleaners (new designation) | 41% |
| Structural wall panels | 94% | Laundry products | |
| Concrete and asphalt release fluids | 87% | Pretreatment/spot removers | 46% |
| Corrosion preventatives (new designation) | 53% | General purpose laundry products | 34% |
| Diesel fuel additives | 90% | Lip care products | 82% |
| Disposable containers | 72% | Metalworking fluids | |
| Disposable cutlery | 48% | Straight oils | 66% |
| Dust suppressants | 85% | General purpose soluble, semi-synthetic, and synthetic oils | 57% |
| Engine oils-2-cycle | 34% | High performance soluble, semi-synthetic, synthetic oils | 40% |
| Fertilizers | 71% | Mobile equipment hydraulic fluids | 44% |
| Films | | Multipurpose cleaners (new designation) | 56% |
| Semi-durable films | 45% | Parts wash solutions (new designation) | 65% |
| Non-durable films | 85% | Penetrating lubricants | 68% |
| Firearm lubricants | 49% | Plastic insulating foam for residential and commercial construction | 7% |
| Floor strippers | 78% | Roof coatings | 20% |
| Fluid-filled transformers | | Sorbents | 89% |
| Synthetic ester-based fluid-filled transformers | 66% | Stationary equipment hydraulic fluids | 44% |
| Vegetable oil-based fluid-filled transformers | 95% | Water tank coatings | 59% |
| Food cleaners (new designation) | 53% | Wood and concrete sealers | |
| Forming lubricants (new designation) | 68% | Penetrating liquid sealers | 79% |
| Gear lubricants (new designation) | 58% | Membrane concrete sealers | 11% |
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| | | | |
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Biobased Products & BioPreferredSM

What are they?

Thus far, USDA has identified over 10,000 biobased products commercially available across 170 items. USDA maintains an electronic catalog of qualifying BioPreferredSM products at:

www.usda.gov/biopreferred



The screenshot shows a web browser window titled "BioPreferred Biobased Products Catalog - Windows Internet Explorer". The address bar displays "http://www.biobased.oce.usda.gov/fb4p/Catalog.aspx". The page content includes the USDA logo and the text "United States Department of Agriculture BioPreferredSM". Below this is a "Close" button and a "Catalog" heading. A paragraph explains that the catalog is limited to products designated for preferred procurement status, listing Round 1 items: Bedding, Bed Linens and Towels; Diesel Fuel Additives; Mobile Equipment Hydraulic Fluids; Penetrating Lubricants; Roof Coatings; and Water Tank Coatings. It notes that the number of products will increase as more items gain preferred procurement status. At the bottom, there are checkboxes for "Industrial Supplies", "The Great Outdoors", and "Furniture and Furnishings". A search section includes a "Keywords" dropdown menu with "Select" in it, a "Go" button, a "Search" input field, and a "Search all Catalog" checkbox with "Go" and "Reset" buttons.

14

